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20. (New) An industrial controller according to claim 16, wherein the functionality of the technology objects is distributed among control units in equidistant communication with one another in real time with clock synchronization.

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21. (New) An industrial controller according to claim 16, wherein the technology object types permit technological scaling of the functionality of the controller.

22. (New) An industrial controller according to claim 16, wherein technology objects are interleaved to form container objects.

23. (New) An industrial controller according to claim 16, further adapted to provide a plurality of views of the technology objects to a user.

24. (New) An industrial controller according to claim 16, further adapted for feedback-free programming of a technology object with respect to the other technology objects and the control means.

25. (New) An industrial controller according to claim 16, wherein technology objects are represented in the engineering system by graphical elements.

26. (New) An industrial controller according to claim 16, wherein the technology objects have types and the technology object types are clustered into one or more technology packages.

27. (New) A method of programming an industrial control system comprising a plurality of devices, the controller being programmed for one or more projects and comprising a plurality of technology objects, the method comprising the steps of:
a) providing a technology-neutral control system;
b) interleaving of the technology objects to form a set of complex technology objects;

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- c) distributing a plurality of the technology objects on a plurality of the devices; and
- d) reusing at least one of the complex technology objects in a second project.

28. (New) A method according to claim 28, wherein attributes of the technology objects are taken into account in generating the communication channels.

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29. (New) A method of programming an industrial control system comprising a plurality of devices, the controller being programmed for one or more projects and comprising a plurality of technology objects, the method comprising the steps of:

- a) providing a technology-neutral control system;
- b) instantiating the technology objects;
- c) interleaving the technology objects to form a set of complex technology objects for a first project;
- d) distributing the technology objects on a plurality of the devices;
- e) generating communication channels between the technology objects; and
- f) reusing at least one of the complex technology objects in a second project.

30. (New) A method for programming an industrial controller for a technical process, the method comprising the steps of:

- a) selecting a plurality of technology objects relevant to a desired application;
- b) interleaving the selected technology objects to form technology objects having complex functionality; and
- c) distributing the interleaved technology objects onto a device.

31. (New) The method of claim 30, wherein interleaved technology objects may be re-used in a subsequent application of the method.

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B 32. (New) A system for programming an industrial controller, comprising:

- a) an industrial control system;
- b) means for selecting a plurality of technology objects relevant to a desired application;
- c) means for interleaving the selected technology objects to form technology objects having complex functionality; and
- d) means for distributing the interleaved technology objects onto a plurality of devices.

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